

STEM Crisis and Workforce Needs

Local, State, and National STEM Initiatives

Race to the Top

- Maryland Common Core State Curriculum
- Online Toolkit
- STEM Innovation Network
- STEM Teaching Force

Governor's STEM Task Force

- Seven recommendations
- Areas include curriculum alignment, teacher workforce and training, student experiences, an increase in STEM college graduates, and global competitiveness

What?

Maryland Common Core State Curriculum

- Standards for Mathematical Practices
- Literacy Standards for Science and Technical Subjects

Maryland State Standards

- Science
- Technology and Engineering

Development of Exemplar Transdisciplinary STEM Lessons and Units

How?

- Inquiry Based Learning Techniques
- Universal Design for Learning (UDL) Principles
- Educator Effectiveness Academies Professional Development
- STEM Professional Learning Community

Why?

Maryland's vision is to be a leader in STEM education, preparing and inspiring generations of learners to meet the challenges of the global society through innovation, collaboration, and creative problem solving.